INCH-POUND
MIL-PRF-15160H
AMENDMENT 2
15 March 2001
SUPERSEDING
AMENDMENT 1
24 March 2000

PERFORMANCE SPECIFICATION

FUSES: INSTRUMENT, POWER, AND TELEPHONE
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-PRF-15160H, dated 12 October 1999, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.2.1.2 Delete “shall be” and substitute “are”.

1.2.1.3 Third sentence, delete “shall be” and substitute “is”.

1.2.1.4 Third sentence, delete “shall be” and substitute “is”.

PAGE 2

TABLE I, under the "Relative overload interrupt time" column for symbol A, delete “blowing” and substitute “opening”. Under "Relative overload interrupt time" column for symbol C, delete "blowing" and substitute "opening".

PAGE 4

3.11 Second sentence, delete “1 minute” and substitute “30 seconds”.

PAGE 5

3.14.2.1 Delete in its entirety and substitute:

“3.14.2.1 Material. Label material used shall enable the fuses to meet the performance requirements of this specification and shall show no evidence of peeling, wrinkling, ends lifting, or illegible ink markings (see 4.7.9.1). For guidance on label material, see 6.3.7.”

3.14.2.2 Under "Marking" column, delete “Normal blow” and its corresponding explanation in the "Explanation" column.

PAGE 7

TABLE III, Test method column: Delete “4.7” and substitute “4.6” and replace the first two digits of all remaining paragraph references that begin with “4.8” with “4.7”.

PAGE 12

4.7.2 Delete in its entirety and substitute:

"4.7.2 Current-carrying capacity. Unless otherwise specified (see 3.1), fuses shall be subjected to an ac or dc current of 110 percent of rated current at any convenient voltage within the rating of the fuse. The current shall be maintained for not less than 30 minutes after the temperature of each fuse has stabilized. Stabilization shall be considered to have occurred when no individual fuse temperature rise reading of 4 consecutive readings taken at 5 minute intervals exceeds the average reading of these 4 readings by more than 2° C and no indication of increasing temperature rise is observed. This average temperature rise reading shall be deemed to be the temperature rise of the fuse. The temperature of the fuse case or body and of the terminals shall be measured by thermocouples (wire size 28 AWG to 32 AWG) or by using the thermometer method. Each fuse shall be mounted in a standard single pole, open-type fuseholder having a corresponding electrical rating. Fuseholders and fuseclips may be selected from MIL-PRF-19207. When two or more fuses are tested in series, the fuseholders shall be located so that there will be a spacing of not less than 6 inches between any two fuses under test. The wire connecting the fuseholders, ammeter, and the source of supply shall be in accordance with J-C-30. The wire length and size shall be as shown in table IX. Fuses shall meet the requirements specified in 3.7."

PAGE 13

4.7.6.1 Eighth sentence, delete "1 minute" and substitute "30 seconds".

4.7.6.2 Second paragraph, third sentence, delete "1 minute" and substitute "30 seconds".

PAGE 15

FIGURE 1, delete title and substitute: "FIGURE 1. (FOR REFERENCE ONLY) – Effect of ambient temperature on the current carrying capacity of normal fuses (characteristic A and characteristic C)."

PAGE 16

FIGURE 2, delete title and substitute: "FIGURE 2. (FOR REFERENCE ONLY) – Effect of ambient temperature on the current carrying capacity of time-delay fuses (characteristic B)."

Across top of graph, in the second line, delete "TIME-LAG" and substitute "TIME-DELAY".

PAGE 17

6.1.1, first sentence, after "Normal" delete "blowing" and substitute "opening".

6.1.2, first sentence, after "Normal" delete "blowing" and substitute "opening".

6.1.5d, third sentence, delete "Time lag" and substitute "Time delay".

PAGE 18

6.3, paragraph title, delete and substitute: "6.3 Finishes and material.".

6.3.6 Delete “shall” and substitute “are to”.

After 6.3.6, insert new paragraph, 6.3.7:

“6.3.7 Label material. Based on past experience, a pressure sensitive polyester tape, Permacel, EE-6951 or equivalent has been used successfully to meet the performance requirements of this specification.”

6.6 Delete “blowing” and substitute “opening” (2 places).

6.8 After Normal, delete “blowing” and substitute “opening”.

Custodians:
Army - CR
Navy - SH
Air Force - 11
DLA -CC

Review activities:
Army - AR, AT, CR4, MI
Navy - AS, CG, MC, OS, YD
Air Force - 19, 99

Preparing activity:
DLA - CC

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